

IN THE CLAIMS

1. (currently amended) An apparatus comprising:

a headset comprising a microphone and a headphone;

a music generation device;

a processing unit contained in a single housing, said processing unit electrically coupled with said headset and said music generation device for receiving a first input signal from said microphone and a second input signal from said music generation device, said processing unit comprising a transmitter for transmitting said first input signal to a remote receiver to be processed and an input to couple to a receiver for receiving a processed signal from the remote receiver, said processing unit configured to amplify and add an intended effect to at least one of the first input signal, the second input signal, and the processed signal to generate an output signal, wherein the output signal is transmitted to said headphone to enable a user to hear the output; and

a user input interface coupled to said housing of said processing unit, said user interface configured to control the output signal of said processing unit by at least one of altering the amplification of the processed signal and at least one of the first input signal, the second input signal, and the processed signal and removing at least one of the first input signal, the second input signal, and the processed signal from the output signal.

2. (previously presented) The apparatus according to Claim 1, wherein said apparatus is sized to be portable such that a single user can transport said apparatus while utilizing said apparatus.

3. (canceled)

4. (original) The portable apparatus according to Claim 1, wherein said processing unit further comprises at least one of a microphone pre-amplifier, an analog-to-digital

converter, a multi-effects processor, a digital-to-analog converter, a mix device, and a headphone amplifier.

5. (previously presented) The portable apparatus according to Claim 1, wherein said microphone and said headphone are coupled to one another such that a relative position of said microphone is configured to be fixed with respect to said headphones.

6. (original) The portable apparatus according to Claim 1 wherein said music generation device is at least one of an analog player, a digital player, and a musical instrument.

7. (original) A portable apparatus according to Claim 1 further comprising a second microphone electrically coupled to said processing unit, said secondary microphone configured to communicate a third input signal to said processing unit.

8. (currently amended) A method for mixing and controlling sound, said method comprising:

transmitting a first input signal from a headset to a processing unit;

communicating a second input signal from a portable music generating device to the processing unit;

transmitting the first input signal from the processing unit to a remote receiver to be processed;

receiving at the processing unit a processed signal from the remote receiver;

processing at the processing unit at least one of the first input signal, the second input signal, and the processed signal for generating an output signal;

controlling the output signal of said processing unit by at least one of altering the amplification of the processed signal and at least one of the first input signal, the second input signal, and the processed signal and removing at least one of the first input signal, the second input signal, and the processed signal from the output signal; and

transmitting the output signal to the headset.

9. (previously presented) The method according to Claim 8 wherein transmitting a first input signal further comprises transmitting a first input signal from the headset to a portable processing unit contained in a single housing such that a single user can transport the processing unit while utilizing the processing unit.

10. (canceled)

11. (original) The method according to Claim 8 further comprising recording the output signal with a portable recording device.

12. (original) The method according to Claim 8 wherein providing a second input signal from a portable music generating device further comprises providing a second input signal from at least one of an analog player, a digital player, and a musical instrument.

13. (canceled)

14. (currently amended) A sound system comprising:

a sound board for receiving, processing, and transmitting sound; and

a portable studio system configured to communicate with said sound board, said portable studio system comprising:

a headset comprising a headphone and a microphone configured to transmit a first input signal from a user's voice;

a music generation device configured to communicate a second input signal;

a processing unit contained in a single housing, said processing unit electrically coupled with said headset and said music generation device for receiving said first and second input signals, said processing unit comprising a transmitter for transmitting said first input signal to said sound board to be processed and an input to couple to a receiver for receiving a processed signal from the sound board, said processing unit configured to amplify

and add an intended effect to at least one of the first input signal, the second input signal, and the processed signal to generate an output signal, wherein the output signal is transmitted to said headphone; and

a user input interface coupled to said housing of said processing unit, said user interface configured to control the output signal of said processing unit by at least one of altering the amplification of the processed signal and at least one of the first input signal, the second input signal, and the processed signal and removing at least one of the first input signal, the second input signal, and the processed signal from the output signal.

15. (original) The sound system according to Claim 14, wherein said processing unit further comprises at least one of a microphone pre-amplifier, an analog to digital converter, a multi-effects processor, a digital to analog converter, a mix device, and a headphone amplifier.

16. (canceled)

17. (canceled)

18. (previously presented) The sound system according to Claim 14, wherein said microphone and said headphone are coupled to one another such that a relative position of said microphone is configured to be fixed with respect to said headphones.

19. (original) The sound system according to Claim 14 wherein said music generation device is at least one of an analog player, a digital player, and a musical instrument.

20. (original) The sound system according to Claim 14 further comprising a recording device in communication with said processing unit for recording at least one of said first and second input signals.

21. (original) The sound system according to Claim 14 wherein said sound board further comprises an input signal receiver for receiving a third input signal from a remote audio source, said processing unit configured to amplify and add an intended effect to at least

one of said first, second, and third input signals to generate an output signal based on at least one of said first, second, and third input signals.

22. (original) The sound system according to Claim 21 wherein said third input signal includes at least one of a voice input signal different from said first input signal, a musical instrument, and a sound effect.

23. (previously presented) An apparatus according to Claim 1 wherein said transmitter is configured to wirelessly transmit said first input signal to said remote receiver and said receiver is configured to wirelessly receive said processed signal from said remote receiver.

24. (previously presented) A method according to Claim 8 wherein said transmitting the first input signal from the processing unit to a remote receiver comprises wirelessly transmitting the first input signal from the processing unit to a remote receiver.

25. (previously presented) A method according to Claim 8 wherein said receiving at the processing unit a processed signal from the remote receiver comprises wirelessly receiving at the processing unit a processed signal from the remote receiver.

26. (previously presented) A sound system according to Claim 14 wherein said transmitter is configured to wirelessly transmit said first input signal to said sound board.

27. (previously presented) A sound system according to Claim 14 where said receiver is configured to wirelessly receive said processed signal from said sound board.

28. (new) A portable apparatus according to Claim 4 wherein said microphone pre-amplifier is configured to power at least one component of said portable apparatus.

29. (new) A portable apparatus according to Claim 4 wherein said microphone pre-amplifier is configured to power said portable apparatus.